



Surveying: Cerys Line



Vessel Specifications

Registration

Flag	UK
SCV Work Boat Code	Category 2 (60 miles from safe haven)
Length overall	27.5m
Beam	5.82m
Draft	2.1m
Gross Registered Tonnage	108

Accommodation

Total of 8 berths for 24hr Operations:
2 x Single berth and 3 x twin berth cabins
Dedicated survey acquisition, separate gallery and mess areas

Performance

Service speed	12 knots max – 10 knots cruising
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Survey Equipment

Multibeam Echosounder	Kongsberg EM2040C (200-400KHz), Dual-Head, Dual-Swath, Hull Mounted
Side Scan Sonar*	EdgeTech 4200 Multi-Pulse (300-900KHz)
Magnetometry*	Geometrics G882 Marine Magnetometer
Positioning System	Applanix POS MV OceanMaster
Motion Sensor	Applanix POSMV (Integrated) IMU
Sound Velocity	Valeport MiniSVS and Swift SVPs
Underwater Positioning*	Sonardyne Scout Plus USBL (side mounted pole)
Side-Mounted Pole	Purpose built side mounted pole and plates (port and starboard) for additional survey equipment as required
Navigation Software	QPS QINSy Integrated Navigation Solution
Processing Software	CARIS HIPS and SIPS, Chesapeake SonarWiz

Propulsion

Main Engines	2 x Deutz Diesel SBA 16 M 816 – 1500HP each
Water Jet System	2 x Volvo D6 – 330HP/Ultrajet 1-5 knots
Generators	2 x John Deere 4045TFM50 57kW each
Bow Thruster	1 x Volvo D7 HPU – 50HP Thruster

Tanks

Fuel capacity	9,500 litres
Fresh Water	2,400 litres
Black Water	1,000 litres

Navigation

Charting System	TRANSAS NaviSailor
Radar 1	Bridge Master E – TRANSAS NaviRadar
Radar 2	Furuno Navnet VX2
DGPS1 /SAT Compass	Furuno SC50
DGPS2	Litton LMX 406
UAIS	Furuno FA150
Auto Direction Finder	Simrad TAIYO
Echo Sounder 1	Furuno FCV620
Auto Pilot	Simrad AP50
Navtex	McMurdo NAV7

Communications

MF/HF SSB GMDSS DSC	Furuno FS-2571C
VHF 1 GMDSS DSC	Furuno FM8800
VHF 2	Skanti VHF3000
Handheld	2 x Handheld GMDSS SOLAS VHF, 3 x UHF ICOM IC-F61V
Network	1GB Ethernet network system, WLAN/Printer, 4G Internet connection
Phone	GSM Phone, IRIDIUM Sat Phone

Safety Equipment

Standard	2 x 8-man Life Rafts, 8 x Immersion Suits, Fixed Buoyancy Lifejackets for 14 persons, 1 x SART, 2 x EPIRB
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Surveillance

Cameras	Deck x 3, Engine Room x 4
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**Equipment is optional and can mobilised and de-mobilised as required, along with additional equipment upon request.*